
$$n \text{ CF}_2 = \text{CF} + \text{CF}_2 \longrightarrow \begin{array}{c} \text{CF} \\ | \\ \text{O} - \text{CF}_2 - \text{CF} - \text{CF}_3 \\ | \quad | \\ \text{CF}_2 \quad \text{CF} - \text{CF}_3 \\ | \quad | \\ \text{O} - \text{CF}_2 - \text{CF}_2 - \text{SO}_2\text{F} \end{array}$$

FIG. 2

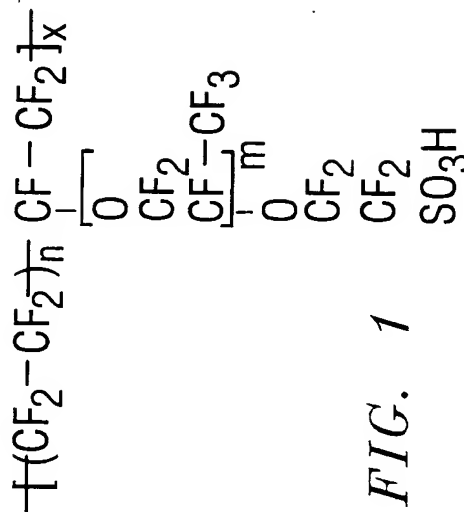


FIG. 1

2/15

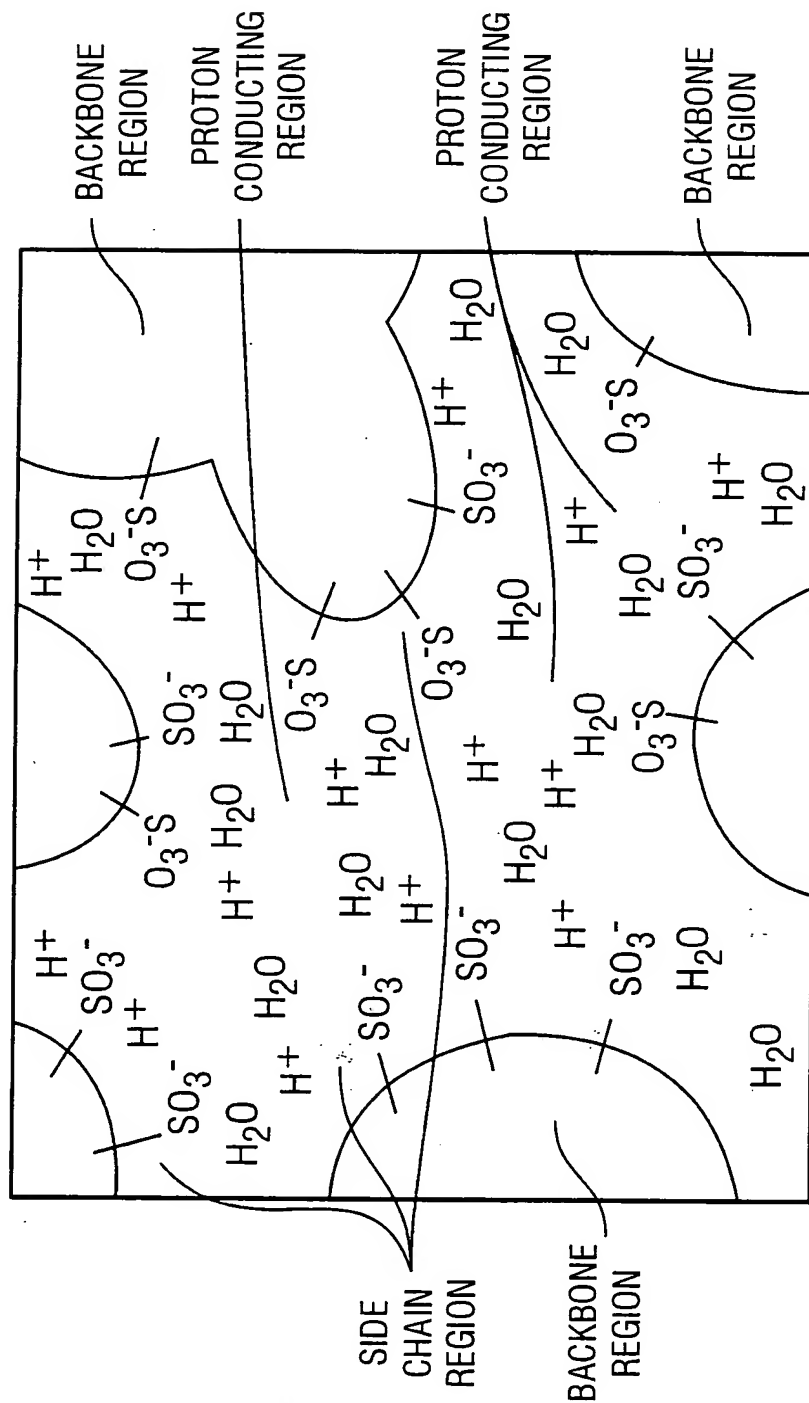


FIG. 3

3/15

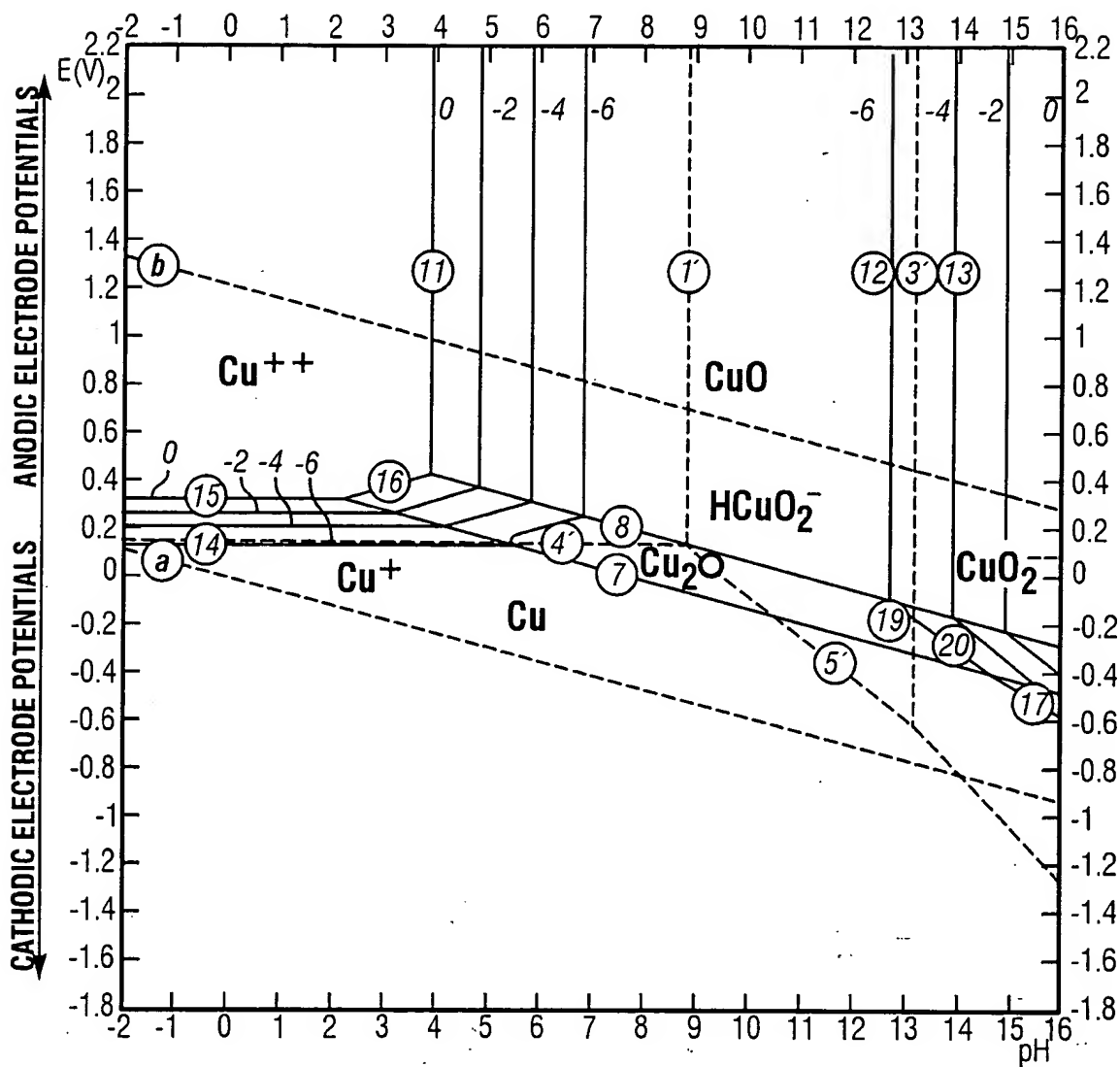


FIG. 4

4/15

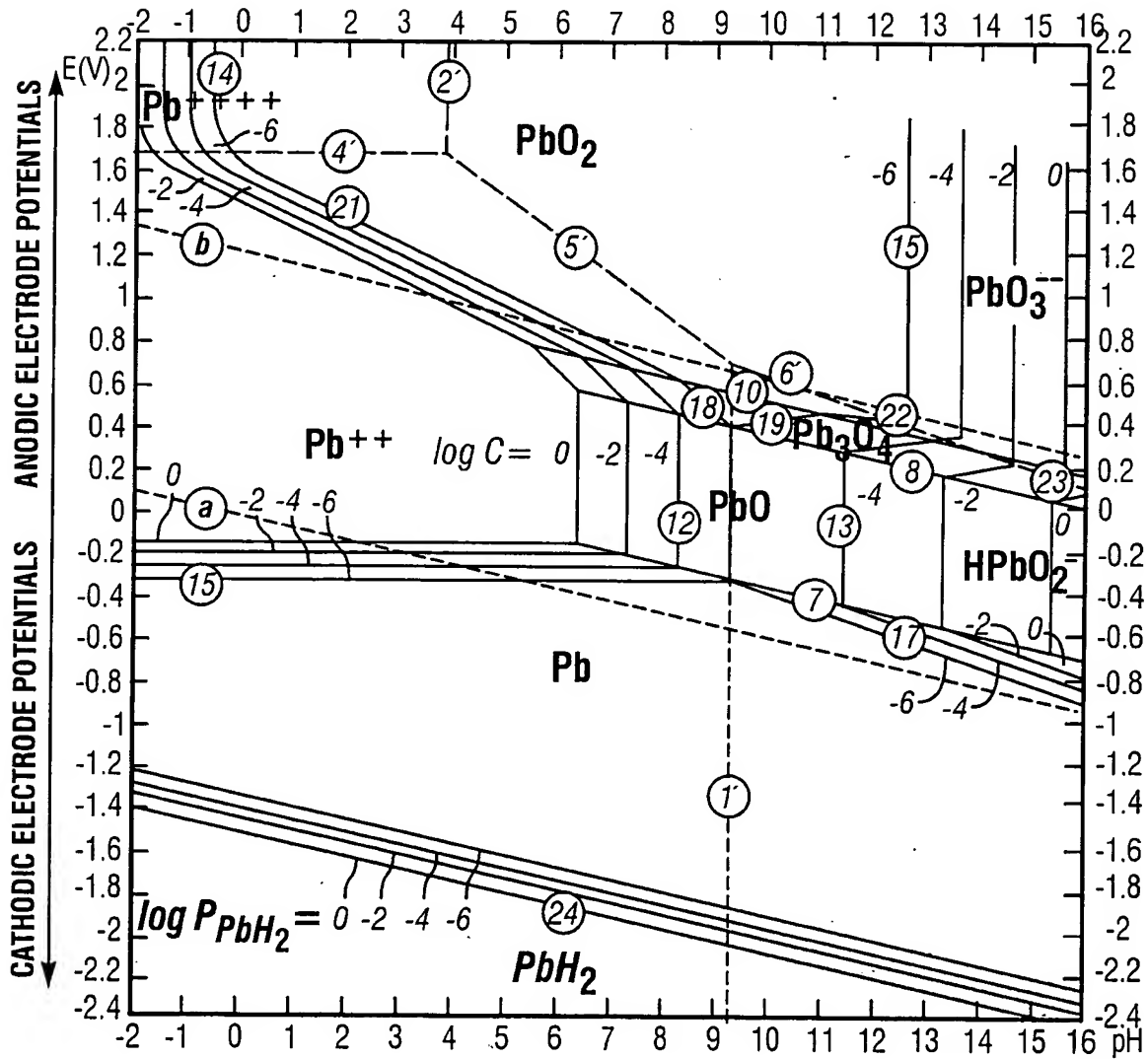


FIG. 5

5/15

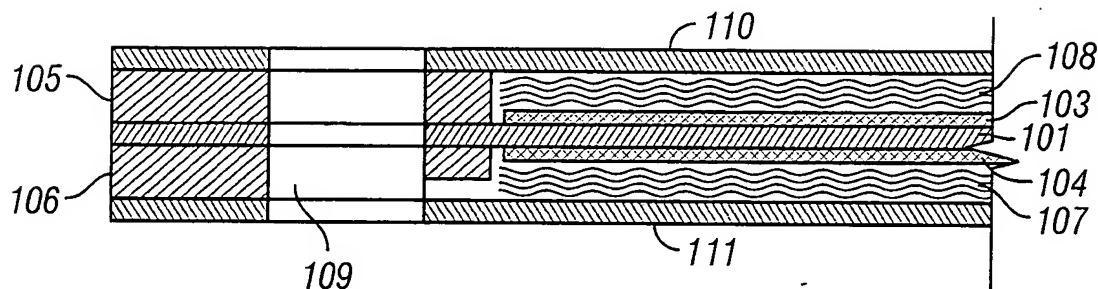


FIG. 6

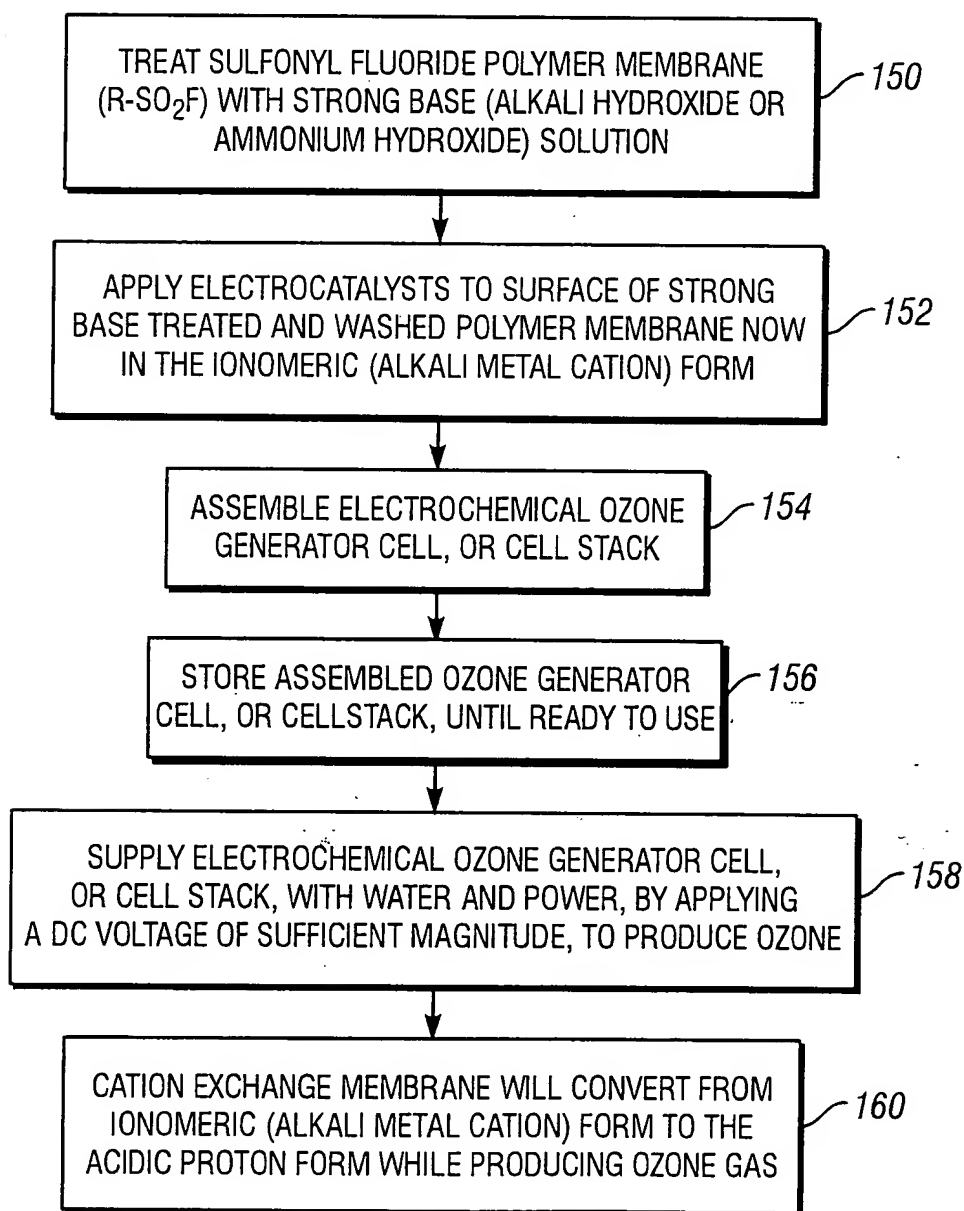


FIG. 7

6/15

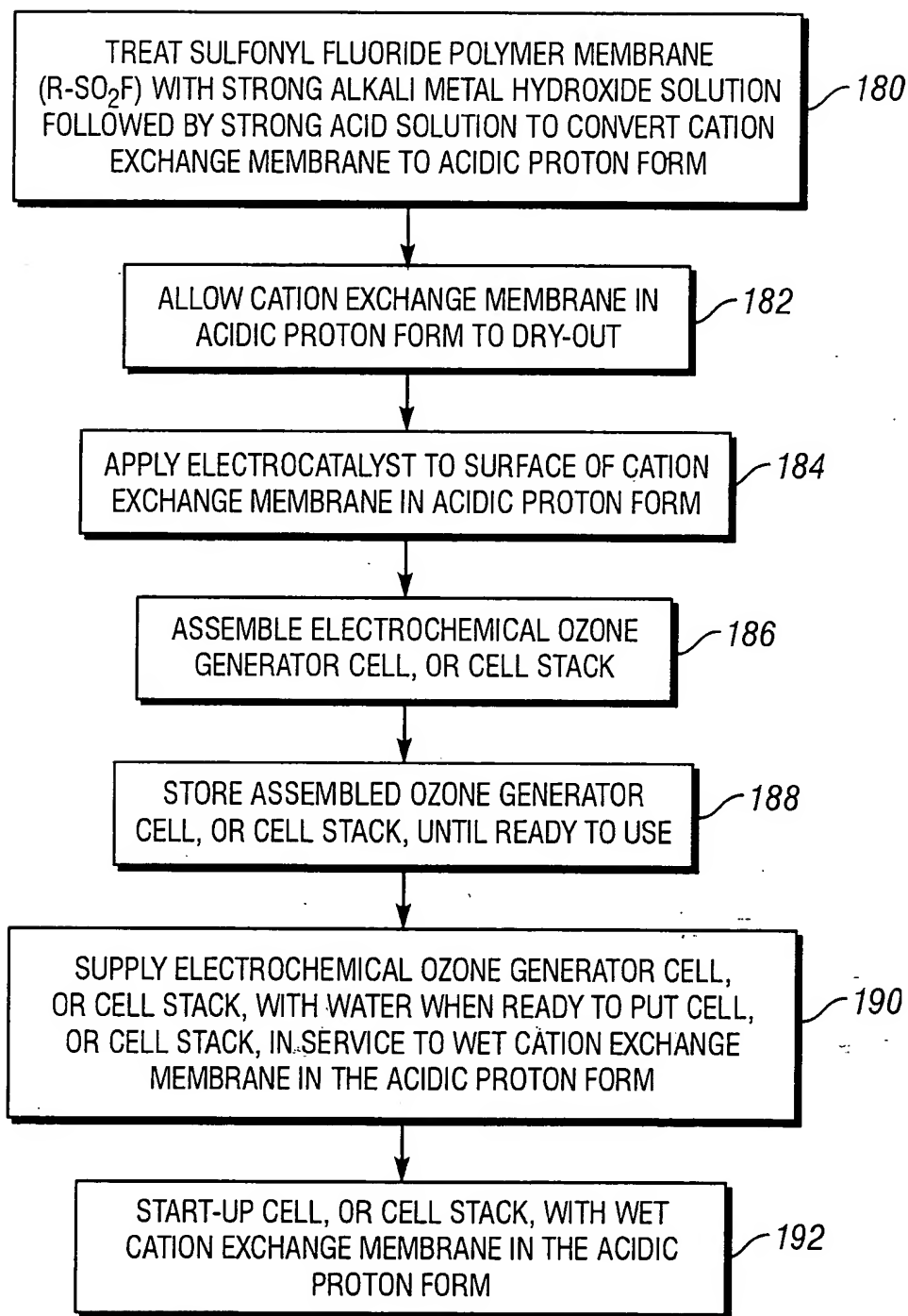


FIG. 8

7/15

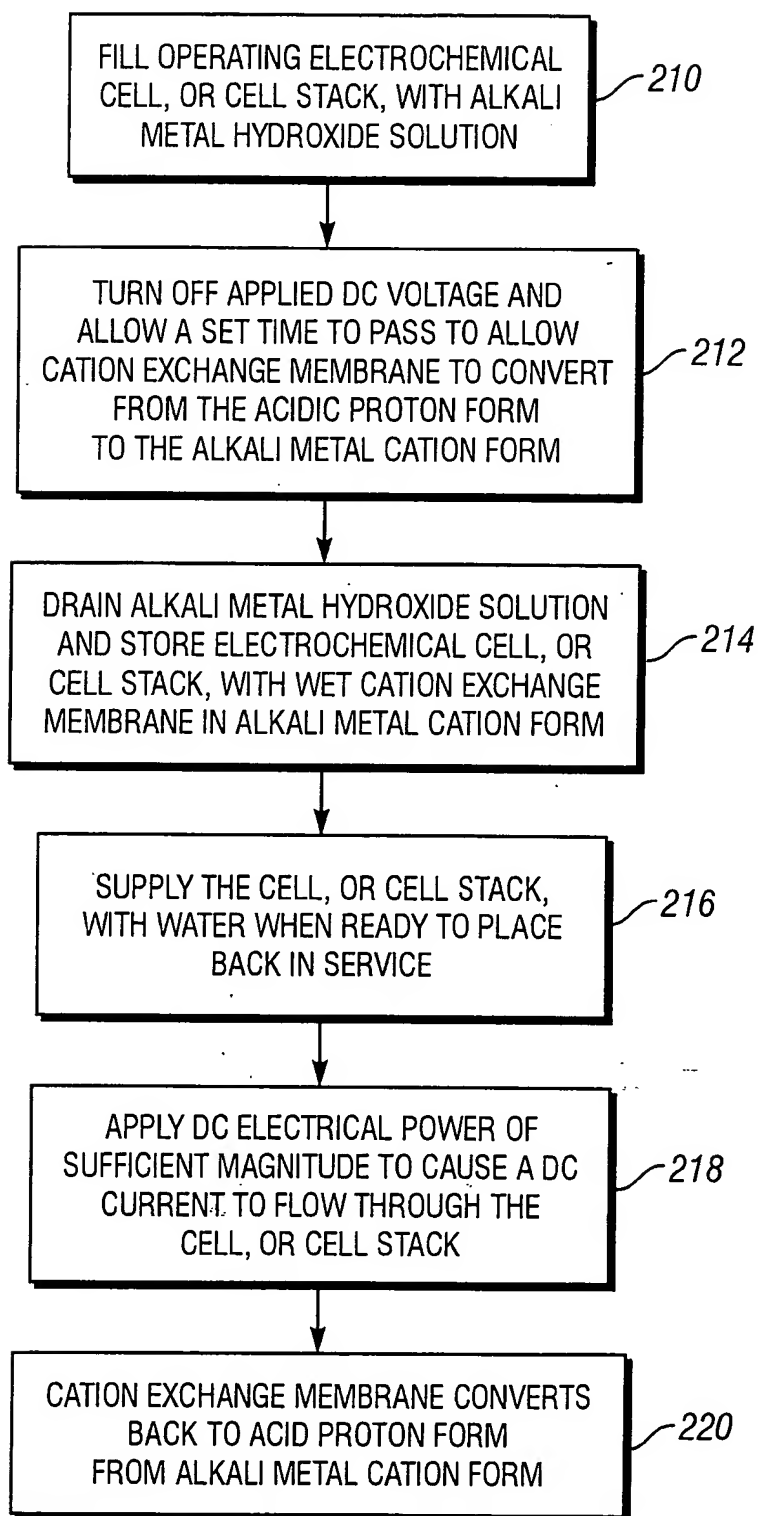


FIG. 9

8/15

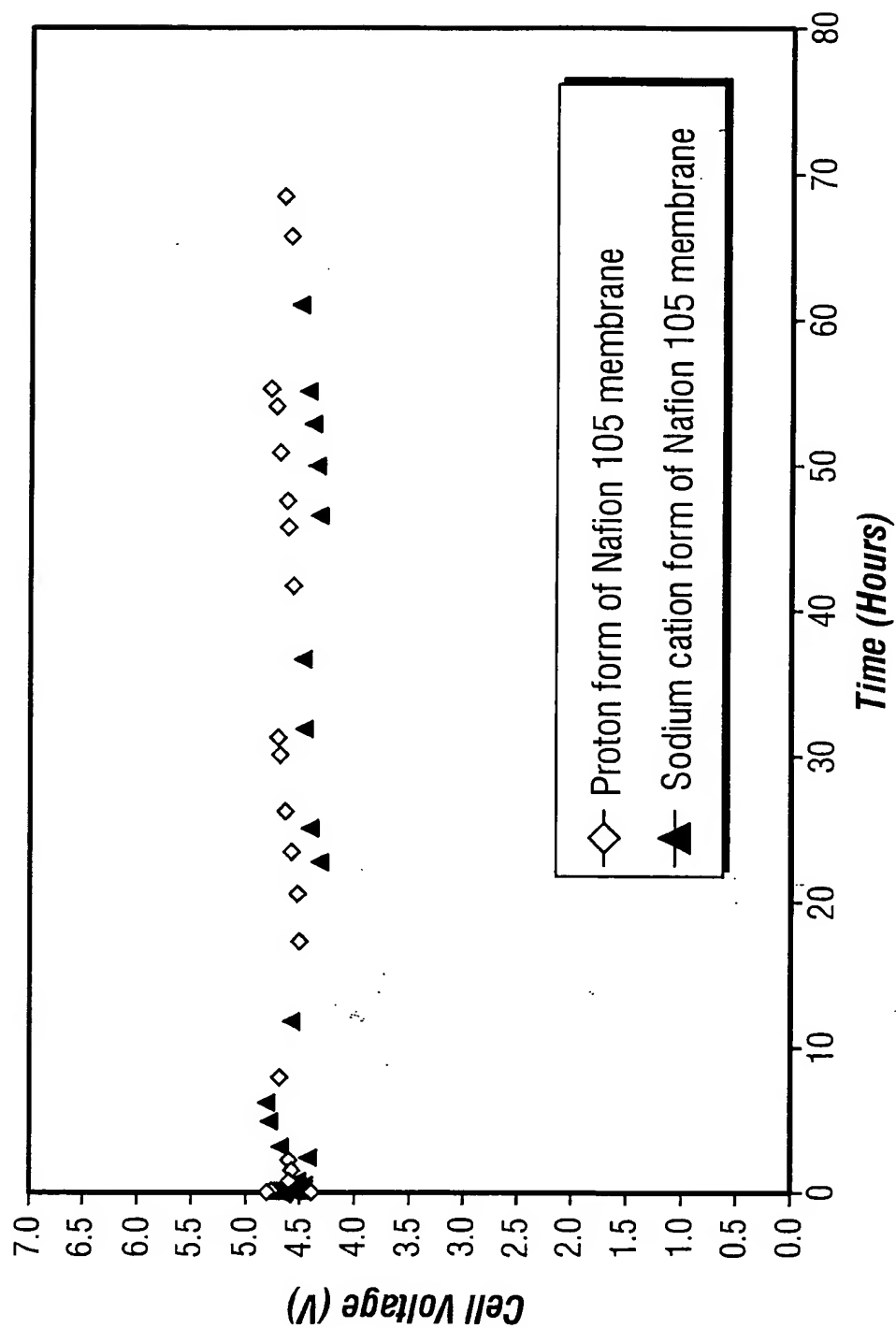


FIG. 10



9/15

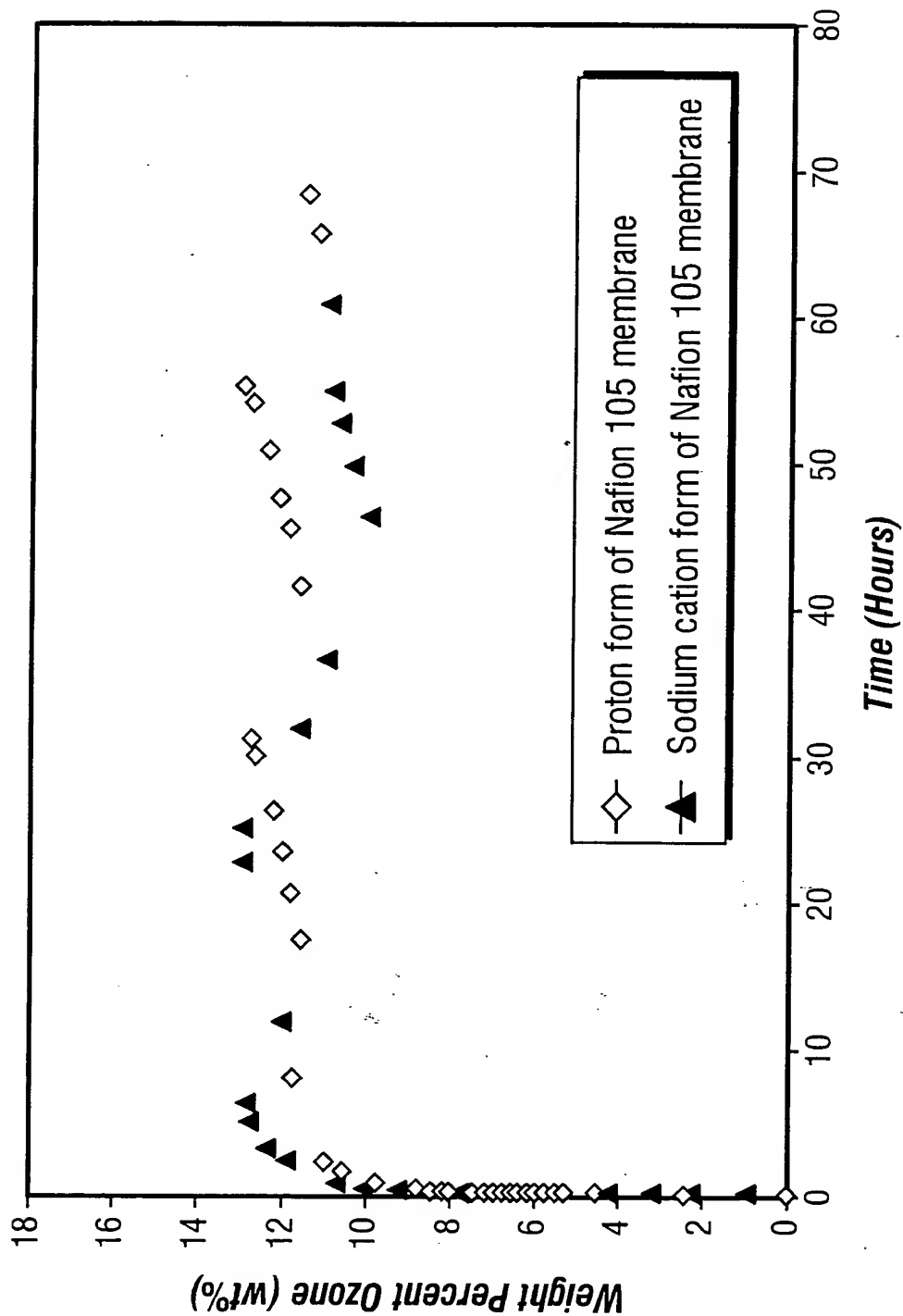


FIG. 11

10/15

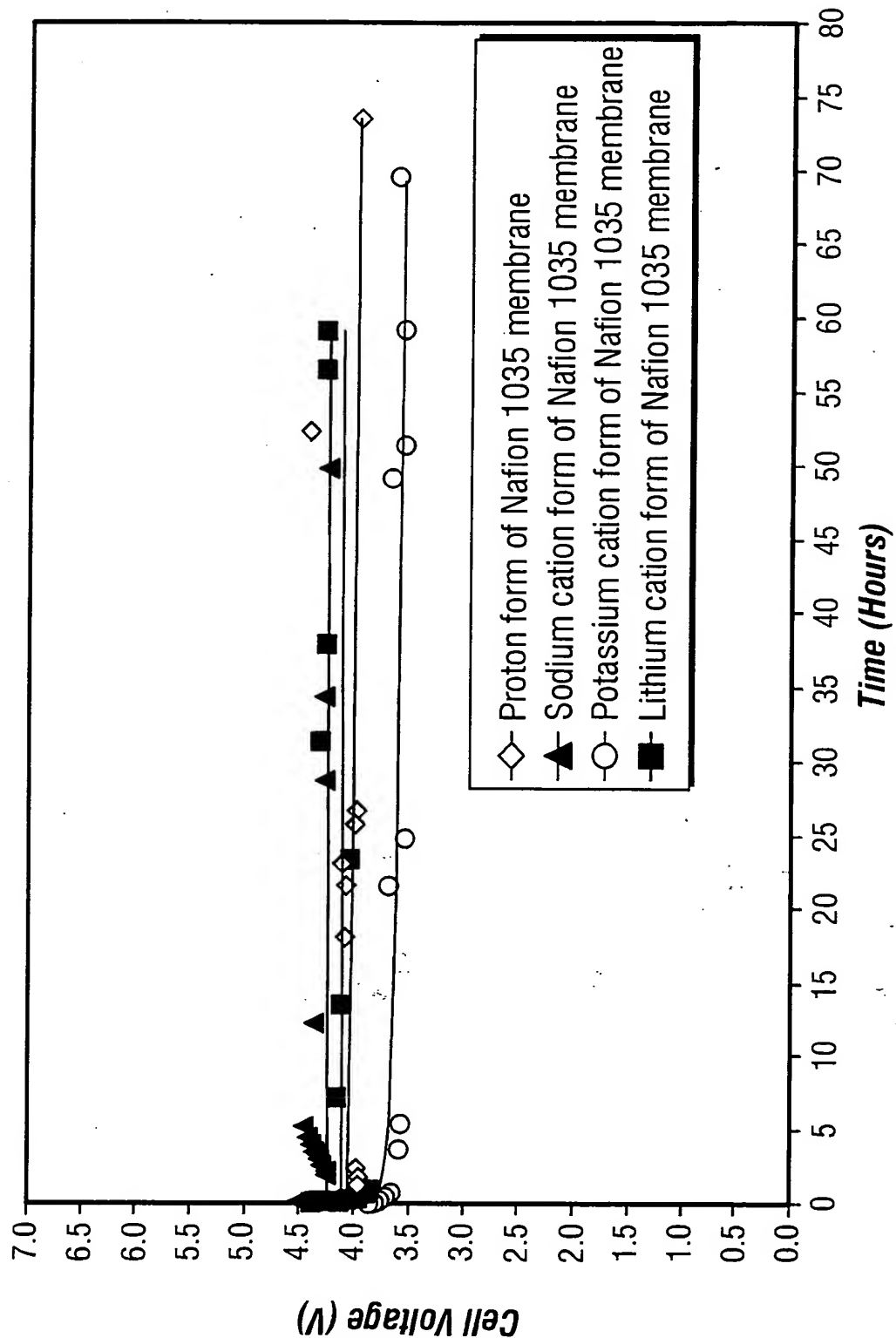


FIG. 12

11/15

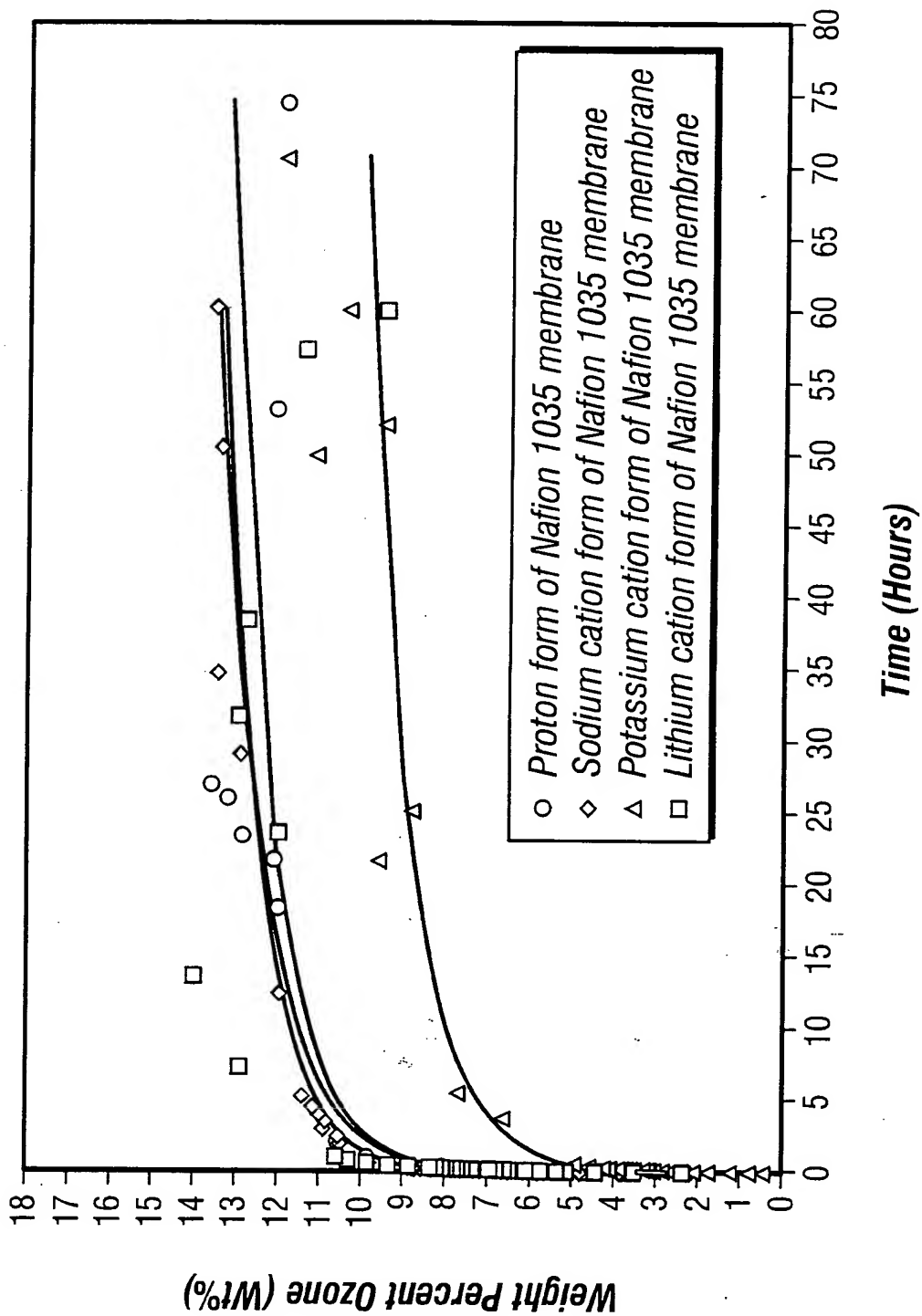
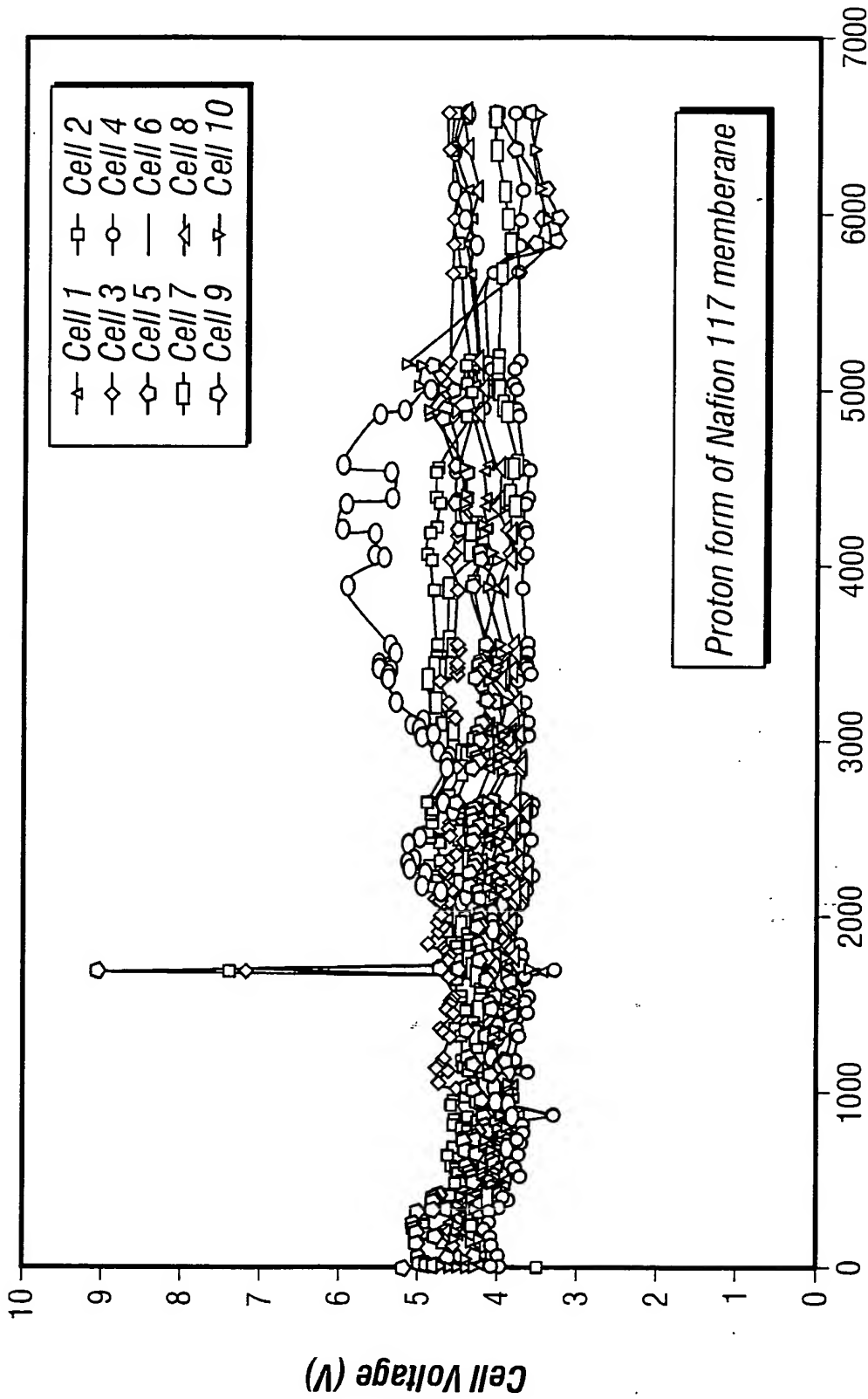


FIG. 13

12/15



Time (Hours)

FIG. 14

13/15

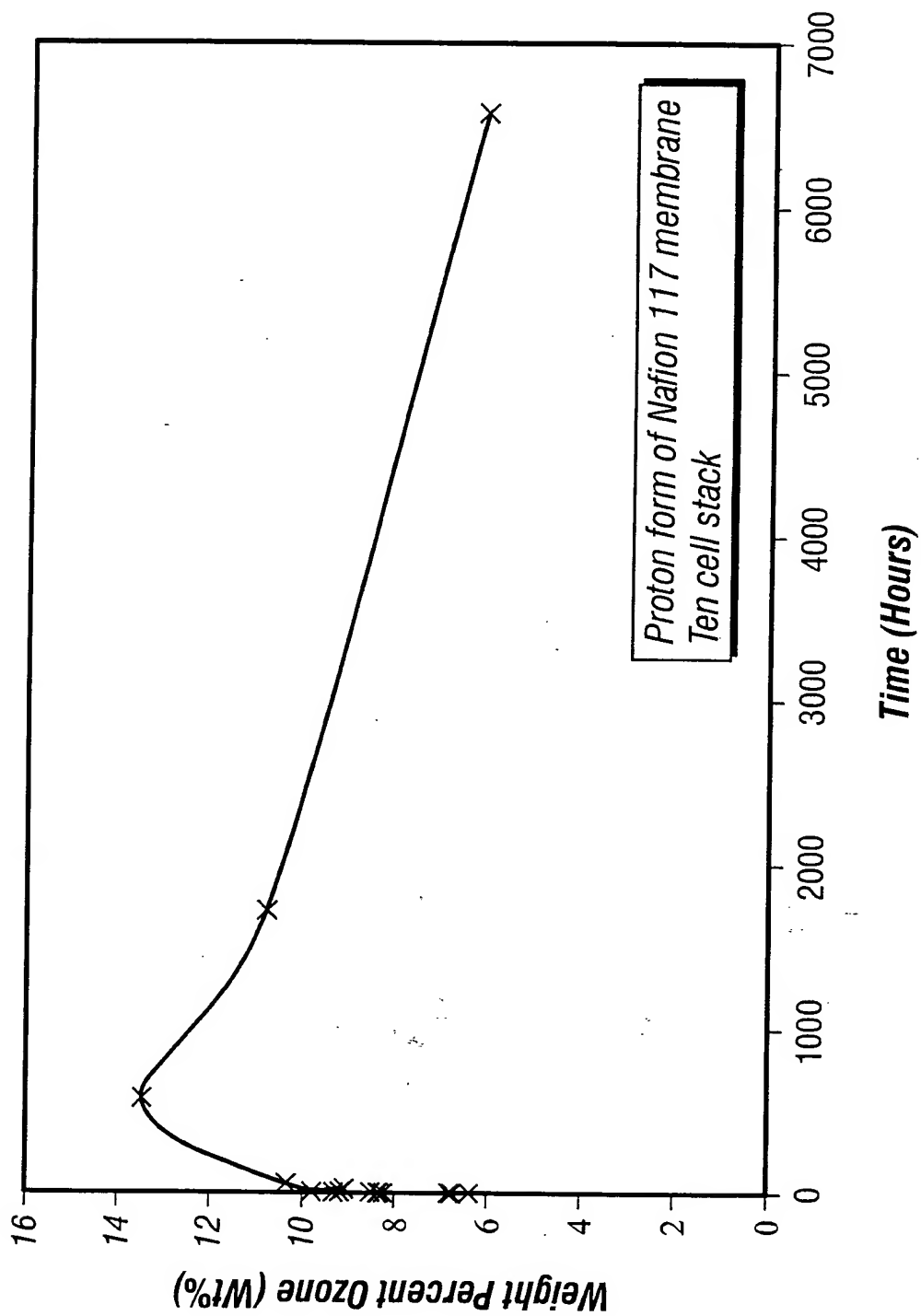
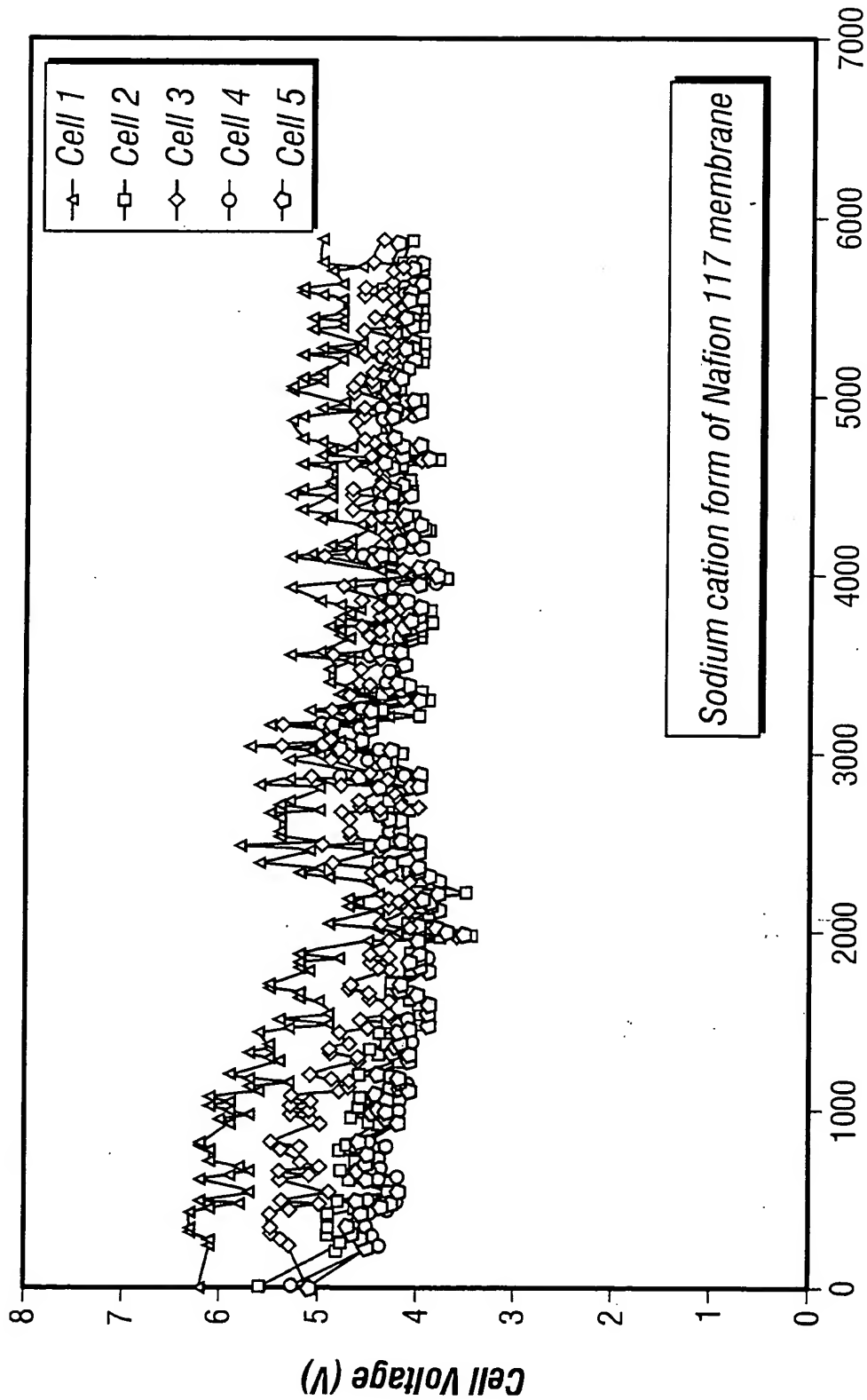


FIG. 15

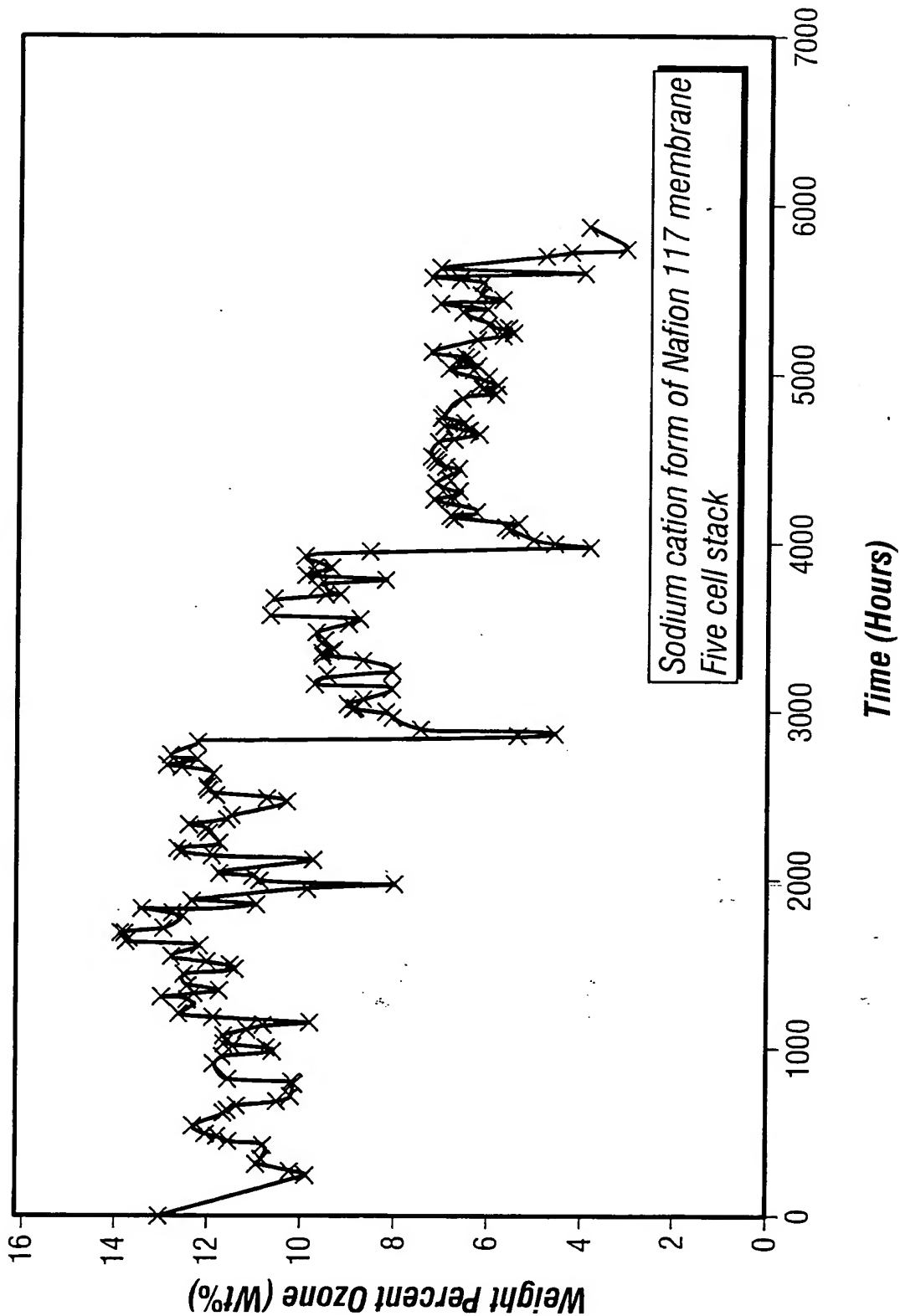
14/15



Time (Hours)

FIG. 16

15/15



Sodium cation form of Nafion 117 membrane  
Five cell stack

Time (Hours)

FIG. 17